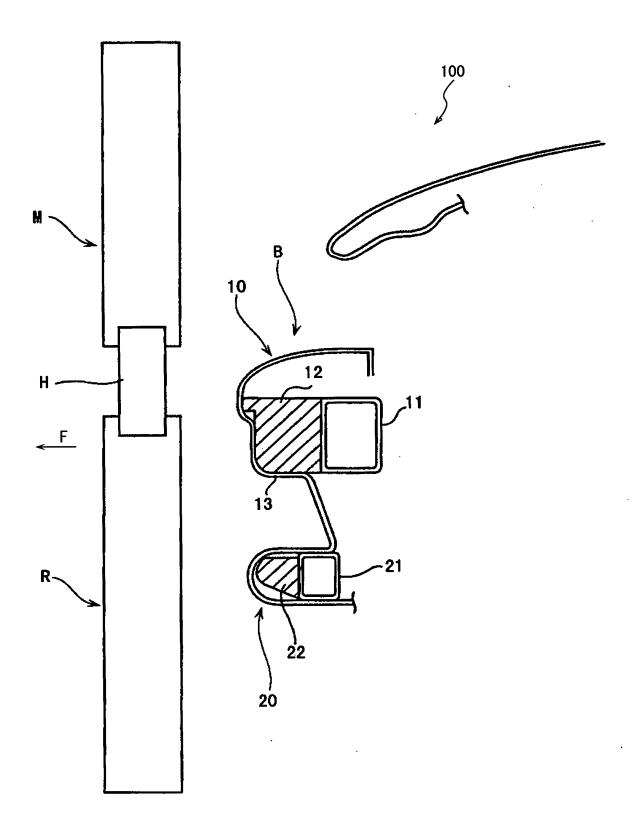


FIG. 3



F1G. 4

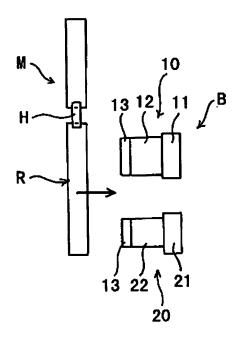


FIG. 5

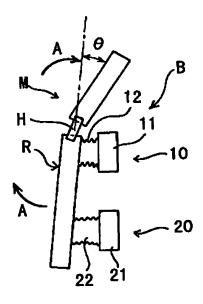


FIG. 6

Calculation No.	Ratio of Crash Strokes	Bending Angle	Legal Value
1	1. 6	13	Satisfied
2	1.5	12. 8	"
3	2	14. 3	Exceeded
4	1. 4	15. 6	"
5	1. 2	16.3	"
6	1. 2	15. 3	"

FIG. 7

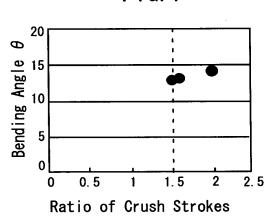


FIG. 8 20 Bending Angle θ 0 2. 5 0. 5 1.5

Ratio of Crush Strokes

2

FIG. 9

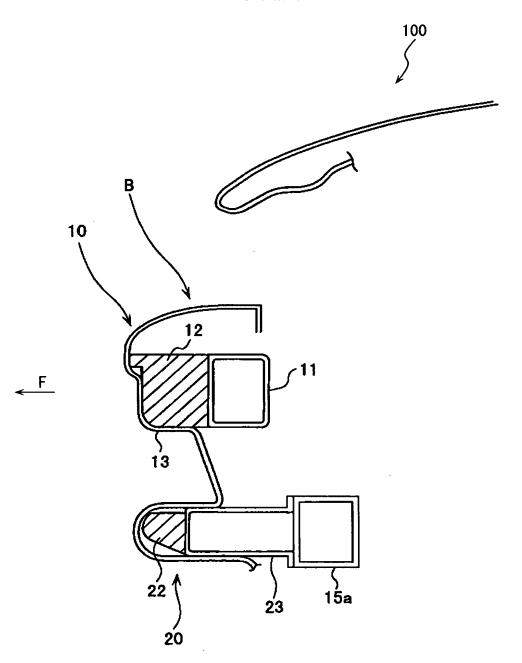
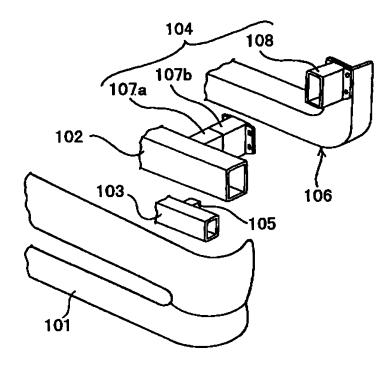


FIG. 10



PRIOR ART

FIG. 11

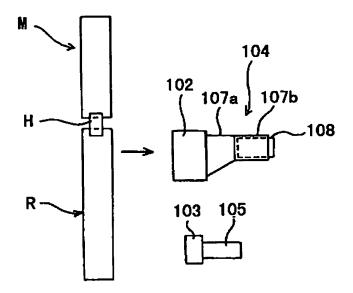


FIG. 12

